

What is claimed is:

1. A flange yoke for a universal joint comprising:

a first yoke half and a second yoke half, wherein the first yoke half has a first separation face that abuts a second separation face of the second yoke half, and

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the first yoke half has a first flange plate and the second yoke half has a second flange plate, and the flange yoke has a first end face that is formed by the first flange plate and the second flange plate, and wherein

the first yoke half has a first bearing portion with a first bearing bore, and the
10 second yoke half has a second bearing portion with a second bearing bore, the bearing portions projecting, respectively, from the first end face of the flange yoke, and the first bearing bore and the second bearing bore being arranged on a common bore axis that perpendicularly intersects a longitudinal axis defined by the flange yoke, and wherein

the flange yoke has a second end face that is formed by a first connection face
15 of the first yoke half and by a second connection face of the second yoke half, and wherein

at least one step-like recess is formed in the first separation face of the first yoke half that starts from the first end face, wherein the recess of the first yoke half is
20 formed by a first support face that starts from the first end face and extends parallel to the longitudinal axis, a first clamping face that extends from the first support face and intersects perpendicularly the longitudinal axis, and a first abutment face that extends from the first clamping face continuous into the first connection face and parallel to the longitudinal axis, and wherein

at least one step-like projection is formed in the second separation face of the
25 second yoke half that is complementary to the recess, wherein the projection of the second yoke half is formed by a second support face, a second clamping face, and a second abutment face that respectively abut the corresponding faces of the first yoke half, and wherein

the first yoke half and the second yoke half are detachably connected to each other by means of attachment screws, wherein the first yoke half has blind holes with internal threads or first through bores that extend parallel to the longitudinal axis and start from the first clamping face, and wherein for each blind hole or for each first
5 through bore, a second through bore is arranged in the second yoke half that, starting from the second connection face, merges in the second clamping face, and wherein attachment screws, starting from the second connection face, are passed through the second through bores and rest in the blind holes or wherein attachment screws, starting from the second connection face, are passed through the second through bores and the
10 first through bores and rest in threaded members that are supported on the first end face of the flange yoke.

2. A flange yoke according to claim 1, characterized in that the attachment screws are formed as expansion screws.

3. A flange yoke according to claim 1, characterized in that the attachment screws have screw ends that are taken up sunk in the second connection face.

4. A flange yoke according to claim 1, characterized in that in the first
20 yoke, half blind holes with internal threads are provided that extend parallel to the bore axis and that start from the first separation face, and that for each blind hole, a through bore is arranged in the second yoke half that extends parallel to the bore axis and, starting from an outer circumferential face of the second yoke half, merges in the second separation face, wherein attachments screws are passed through the through
25 bores and rest in the blind holes.

5. A flange yoke according to claim 1, characterized in that the first support face and the second support face have means for the transmission of forces in the plane of the support faces.

6. A flange yoke according to claim 5, characterized in that the first support face and the second support face have, respectively, a toothing as means for the transmission of forces, which are formed complementary to each other.

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7. A flange yoke according to claim 6, characterized in that teeth of the toothing of the first support face and teeth of the toothing of the second support face extend parallel to the longitudinal axis.

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8. A flange yoke according to claim 1, characterized in that the first clamping face and the second clamping face have means for the transmission of forces in the plane of the clamping faces.

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9. A flange yoke according to claim 8, characterized in that the first clamping face and the second clamping face have, respectively, a toothing as means for the transmission of forces, which are formed complementary to each other.

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10. A flange yoke according to claim 1, characterized in that a groove is provided in the first connection face that is aligned with a corresponding groove in the second connection face, that the grooves extend parallel to the bore axis, and that in the grooves, a cotter or crosswise key rests.

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11. A flange yoke according to claim 1, characterized in that the first connection face and the second connection face have, respectively, means for centering the flange yoke relative to a longitudinal axis of the mating flange.

12. A flange yoke according to claim 11, characterized in that the means for centering is formed by Hirth-end face serration.

13. A flange yoke according to claim 1, characterized in that, starting from the first connection face and starting from the second connection face, blind holes with internal threads are provided that extend parallel to the longitudinal axis and into which the connection screws can be inserted.

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14. A flange yoke according to claim 1 characterized in that, starting from the first connection face and starting from the second connection face, through bores are provided that extend parallel to the longitudinal axis and through which the connection screws can be passed.